

**2310 / 2311 / 2320 / 2321 / 2330 / 2331 / 2332**

**“SCIROCCO” FULL BORE BALL VALVE  
THREAD ISO 228**



**2310**



**2311**



**2320**



**2321**



**2330**



**2331**



**2332**

**DESCRIPTION**

Suitable for domestic and commercial plumbing, industrial and agricultural applications, heating and sanitary systems, pneumatic systems, oils, generally with every non aggressive fluids.

**PRODUCTION RANGE**

Art.	Code	Connection unions	Type
2310	231 0045	1/4" ISO7	Female/female Red aluminium handle
	231 0034	3/8" ISO7	
	231 0002	1/2"	
	231 0008	3/4"	
	231 0001	1"	
	231 0005	1"1/4	
	231 0009	1"1/2	
	231 0004	2"	
	231 0037	2"1/2	
	231 0021	3"	
	231 0027	4"	

Art.	Code	Connection unions	Type
2310	231 0145	¼" ISO7	Female/female Black aluminium handle
	231 0059	3/8" ISO7	
	231 0146	½"	
	231 0147	¾"	
	231 0148	1"	
	231 0149	1"1/4	
	231 0150	1"1/2	
	231 0151	2"	
	231 0152	2"1/2	
	231 0153	3"	
	231 0154	4"	
	231 0377	3/8" ISO7	Female/female Blue aluminium handle
	231 0365	½"	
	231 0366	¾"	
	231 0367	1"	
	231 0368	1"1/4	
	231 0369	1"1/2	
	231 0370	2"	
	231 0384	2"1/2	
	231 0385	3"	

Art.	Code	Connection unions	Type	
2311	231 0054	¼" ISO7	Male/female Red aluminium handle	
	231 0041	3/8" ISO7		
	231 0013	½"		
	231 0014	¾"		
	231 0011	1"		
	231 0018	1"1/4		
	231 0025	1"1/2		
	231 0023	2"		
	231 0071	¼" ISO7		Male/female Black aluminium handle
	231 0072	3/8" ISO7		
	231 0155	½"		
	231 0156	¾"		
	231 0157	1"		
	231 0158	1"1/4		
	231 0159	1"1/2		
	231 0160	2"		
	231 0371	½"	Male/female Blue aluminium handle	
	231 0372	¾"		
	231 0373	1"		
	231 0374	1"1/4		
231 0375	1"1/2			
231 0376	2"			

Art.	Code	Connection unions	Type
2320	231 0053	¼" ISO7	Female/female Red T handle
	231 0020	3/8" ISO7	
	231 0010	½"	
	231 0012	¾"	
	231 0016	1"	
	231 0087	¼" ISO7	
	231 0088	3/8" ISO7	
	231 0161	½"	
	231 0162	¾"	
	231 0163	1"	
	231 0210	3/8" ISO7	Female/female Blue T handle
	231 0084	½"	
	231 0085	¾"	
	231 0086	1"	

Art.	Code	Connection unions	Type
2321	231 0052	¼" ISO7	Male/female Red T handle
	231 0022	3/8" ISO7	
	231 0003	½"	
	231 0006	¾"	
	231 0007	1"	
	231 0164	¼" ISO7	Male/female Black T handle
	231 0100	3/8" ISO7	
	231 0165	½"	
	231 0166	¾"	
	231 0167	1"	
	231 0097	½"	Male/female Blue T handle
	231 0098	¾"	
	231 0099	1"	

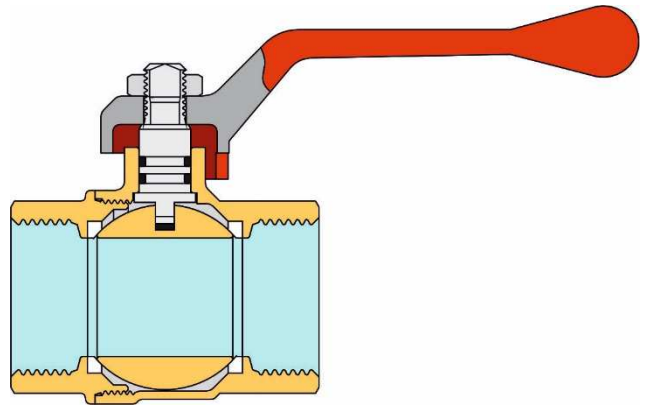
Art.	Code	Connection unions	Type
2330	231 0051	¼" ISO7	Female/female Red steel flat handle
	231 0049	3/8" ISO7	
	231 0026	½"	
	231 0019	¾"	
	231 0017	1"	
	231 0029	1"1/4	
	231 0031	1"1/2	
	231 0024	2"	
	231 0047	2"1/2	
	231 0040	3"	
	231 0050	4"	

Art.	Code	Connection unions	Type
2331	231 0056	¼" ISO7	Male/female Red steel flat handle
	231 0055	3/8" ISO7	
	231 0032	½"	
	231 0033	¾"	
	231 0028	1"	
	231 0038	1"1/4	
	231 0043	1"1/2	
	231 0044	2"	

Art.	Code	Connection unions	Type
2332	231 0058	3/8" ISO7	Male/Male Red steel flat handle
	231 0042	1"1/2	
	231 0048	2"	

## MANUFACTURING SPECIFICATIONS

- Body and Sleeve: Brass CW617N nickel finish
- Ball: Brass CW617N chrome plated
- Stem: Brass CW617N
- O-rings: NBR
- Side washers: PTFE
- Flat handle: Steel Fe 37 Zinc plated - plasticized
- Handle & Butterfly: Red/black painted aluminum
- Nut: Galvanized steel
- Threads: ISO 228



**TECHNICAL SPECIFICATIONS**

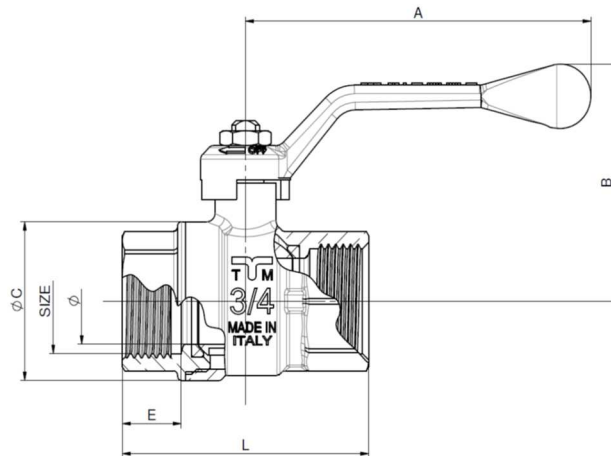
- Maximum working temperature: + 120 °C
- Min working temperature: - 20 °C (provided that the fluid remains in liquid phase)
- Maximum working pressure: See dimensional table (PN)
- Compatible fluids: Water, water and glycol solutions (maximum glycol 30%), non-corrosive fluids \*

\* to check compatibility with fluids or other substances not listed, contact Tiemme technical office.

**DIMENSIONAL SPECIFICATIONS**

**2310**

Dimensions en mm.

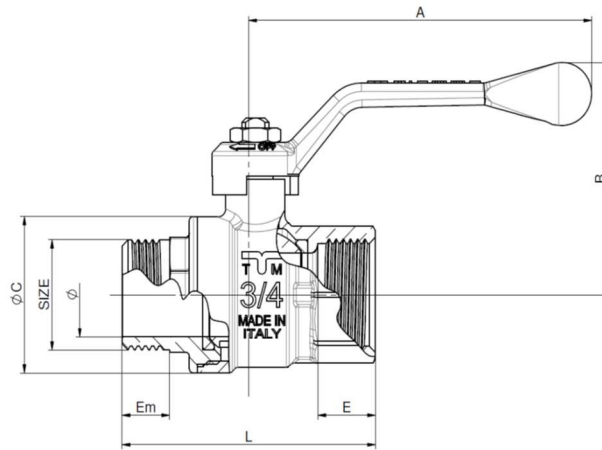


Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Ø (DN)	10	10	15	20	25	32	40	50	60	74	94
A	85	85	85	85	100	140	140	140	240	240	240
B	46	46	51.5	54.5	61.5	73	79	91,5	118	128	142
Ø C	23	23	30	37	45	55	68	84	103	124	152
E	10	12	13,5	14,5	14	15	16	17,5	21,5	23,5	27
L	42	47	53	60,5	65	77,5	89	103	130	149	178
PN	50	50	50	40	40	30	30	25	18	16	16
PN *	20	20	20	20	20	20	20	20	10	10	10

\* pneumatic systems

## 2311

Dimensions en mm.

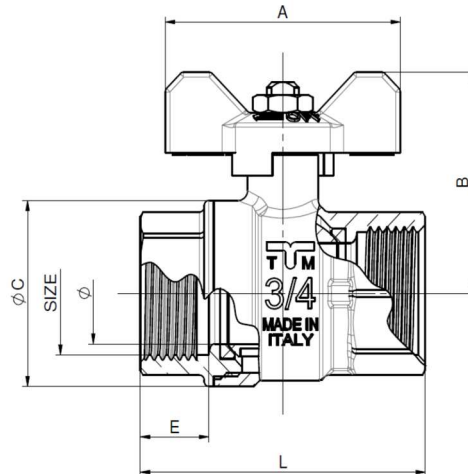


Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø (DN)	10	10	15	20	25	32	40	50
A	85	85	85	85	100	140	140	140
B	46	46	51.5	54.5	61.5	73	79	91,5
Ø C	23	23	30	37	45	55	68	84
E	10	12	13,5	14,5	14	15	16	17,5
Em	11	11,5	10	12	13	14	15	16,5
L	43	57	56,5	64	70	85,5	96,5	114
PN	50	50	50	40	40	30	30	25
PN *	20	20	20	20	20	20	20	20

\* pneumatic systems

## 2320

Dimensions en mm.

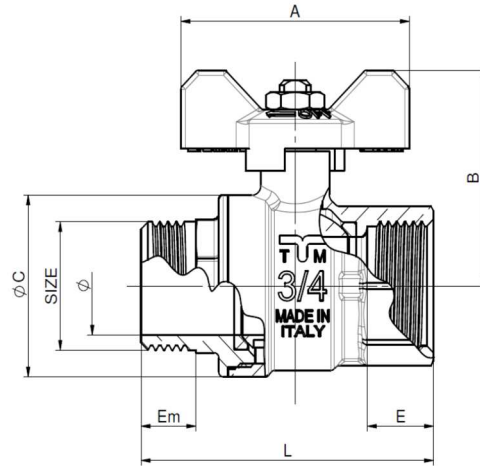


Size	1/4"	3/8"	1/2"	3/4"	1"
Ø (DN)	10	10	15	20	25
A 2320	50	50	50	50	65
B	46	46	51.5	54.5	61.5
Ø C	23	23	30	37	45
E	10	12	13,5	14,5	14
L	42	47	53	60,5	65
PN	50	50	50	40	40
PN *	20	20	20	20	20

\* pneumatic systems

## 2321

Dimensions en mm.

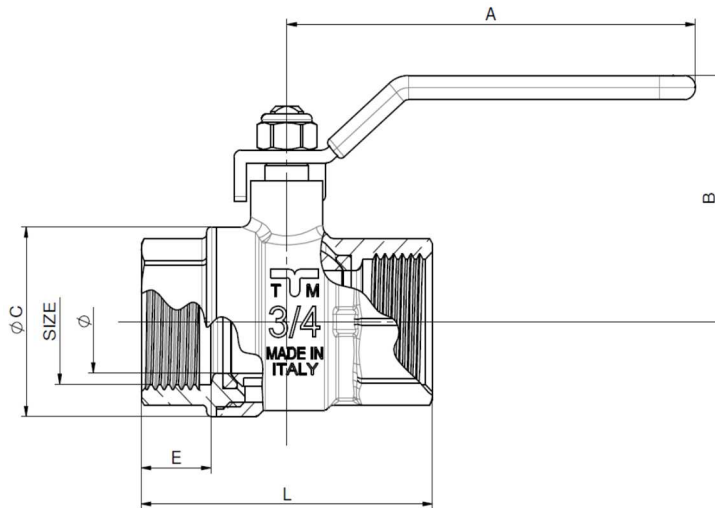


Size	1/4"	3/8"	1/2"	3/4"	1"
Ø (DN)	10	10	15	20	25
A 2320	50	50	50	50	65
B	46	46	51.5	54.5	61.5
Ø C	23	23	30	37	45
E	10	12	13,5	14,5	14
Em	11	11,5	10	12	13
L	43	57	56,5	64	70
PN	50	50	50	40	40
PN *	20	20	20	20	20

\* pneumatic systems

## 2330

Dimensions en mm.

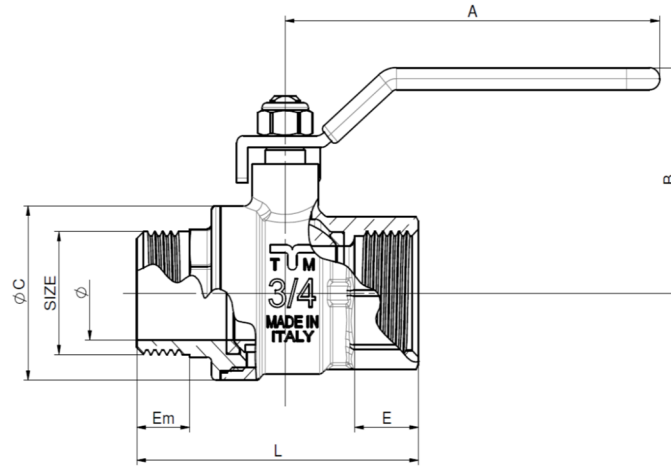


Size	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Ø (DN)	10	10	15	20	25	32	40	50	60	74	94
A 2330	85	85	85	85	113	141	141	141	240	240	240
B	46	46	51.5	54.5	61.5	73	79	91,5	118	128	142
Ø C	23	23	30	37	45	55	68	84	103	124	152
E	10	12	13,5	14,5	14	15	16	17,5	21,5	23,5	27
L	42	47	53	60,5	65	77,5	89	103	130	149	178
PN	50	50	50	40	40	30	30	25	18	16	16
PN *	20	20	20	20	20	20	20	20	10	10	10

\* pneumatic systems

## 2331

Dimensions en mm.

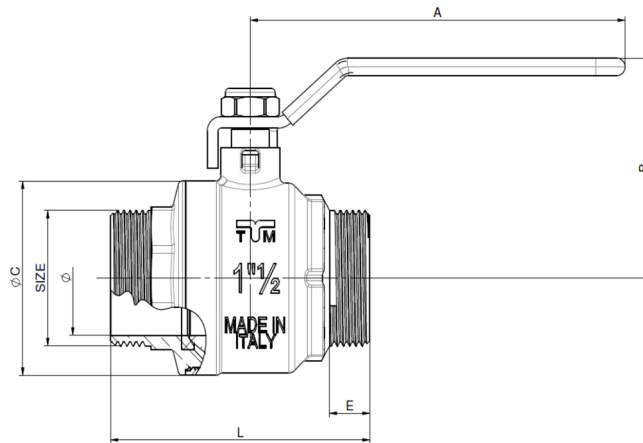


Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø (DN)	10	10	15	20	25	32	40	50
A 2330	85	85	85	85	113	141	141	141
B	46	46	51,5	54,5	61,5	73	79	91,5
Ø C	23	23	30	37	45	55	68	84
E	10	12	13,5	14,5	14	15	16	17,5
Em	11	11,5	10	12	13	14	15	16,5
L	43	57	56,5	64	70	85,5	96,5	114
PN	50	50	50	40	40	30	30	25
PN *	20	20	20	20	20	20	20	20

\* pneumatic systems

## 2332

Dimensions en mm.



Size	3/8"	1 1/2"	2"
Ø (DN)	10	40	50
A	85	140	140
B	46	79	91,5
Ø C	23	68	84
Em	11,5	15	16,5
L	56	96,5	114
PN	50	30	25
PN *	20	20	20

\* pneumatic systems

**HYDRAULIC SPECIFICATIONS**

Diagram 1: Flow/pressure drop.

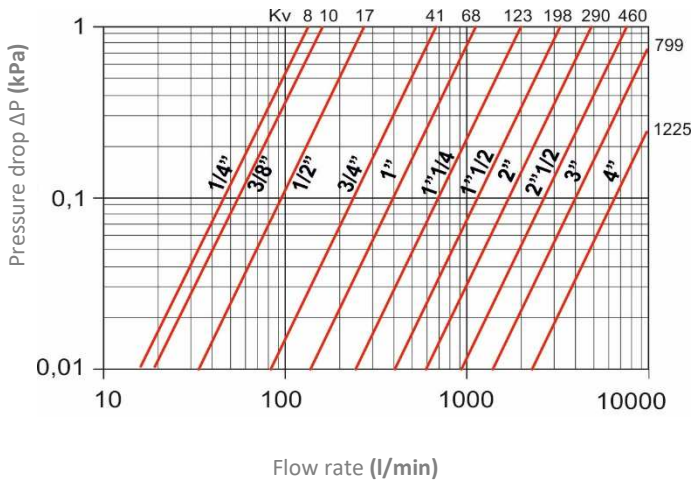
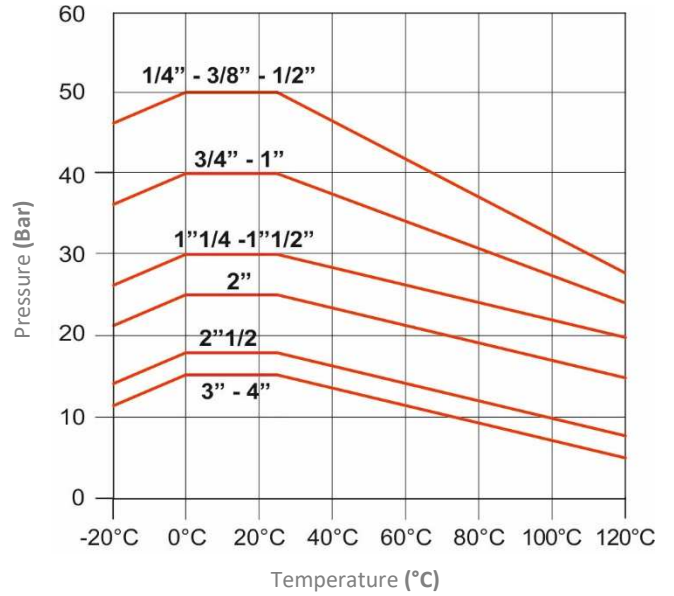


Diagram 2: Pressure/temperature.



**INSTALLATION**

- The valves can be installed in any position (orizental, vertical, ...) provided that shall be placed in visible and accessible position and the open/close operations shall be easily and completely done.
  - Otherwise stated to close the valve the handle shall be turned clockwise, counterclockwise to open it.
  - Otherwise stated by specific marks on the valve body (arrows,...) there is no valve flow direction.
  - The system shall be designed and realised in order to avoid any stress that could damage the valve and could compromise the sealing and the correct working of the valve.
  - All installation operations shall be done using properly tooling. The tightenings shall be such as to guarantee the sealing but without make any damage to the valve or fittings.
  - Once the installation have been completed is necessary to verify the sealings according to technical specifications and/or what required by the country of installation.
  - The valve should not be kept in intermediate position for a long period of time in order to avoid any damages of the valve sealings.
  - If the valve have not been used for a long period of time it may be difficult to operate therefore it will be necessary to use a "long lever".
  - To kept the valve and sealings in good conditions it is suggested to place a filter upstream in order to stop impurity.
- For any further information please contact the authorized dealers or directly TIEMME RACCORDERIE S.p.A.

TIEMME RACCORDERIE S.p.A. declines all responsibility in case of failures and/or accidents resulting from the non-compliance with these indications and from improper use of the system. The information given does not exempt the user from following the regulations and good technical regulations in force.

**CERTIFICATIONS**



N° 04 ACC LY 052

**CERTIFICATIONS**

